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- Siebrand, W., M.Z. Zgierski, Z.K. Smedarchina, M. Vener and J. Kaneti, The structure of phenol-ammonia clusters before and after proton transfer. A theoretical investigation 266 (1997) 47
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- Sultan, R.F., The structural variety of chemical spike-electric field interactions 266 (1997) 145
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- Vörtler, H.L. and M. Kettler, Monte Carlo simulation of pore systems: primitive model of water in slit-like pores 266 (1997) 368
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- Wang, D., X. Qian and Q. Zhang, The isonitrile–nitrile isomerization: kinetic parameters, reaction mechanism and relative photoionization cross-section of the HOMO. A HeI photoelectron spectroscopy study 266 (1997) 560
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- Wu, M.W. and E.M. Conwell, Transport in α -sexithiophene films 266 (1997) 363
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- Zheng, G., J. Hu, X. Zhang, L. Shen, C. Ye and G.A. Webb, Quantum chemical calculation and experimental measurement of the ^{13}C chemical shift tensors of vanillin and 3,4-dimethoxybenzaldehyde 266 (1997) 533

